

ABSTRACT OF THE DISCLOSURE

Optical add/drop apparatus is provided for coupling wavelength components of wavelength division multiplexed signals from an input port to an output port and for coupling one or more add wavelength components into the wavelength division multiplexed signals at the output port while coupling the corresponding wavelength component of said signals at said input port to a drop port. A Michelson interferometer that includes a plurality of phase modulators in one of its two optical paths is used to selectively couple wavelength components from either the input port or from the add port to the output port, and for coupling wavelength components from the input port to a drop port when wavelength components from said add port are coupled to the output port.